

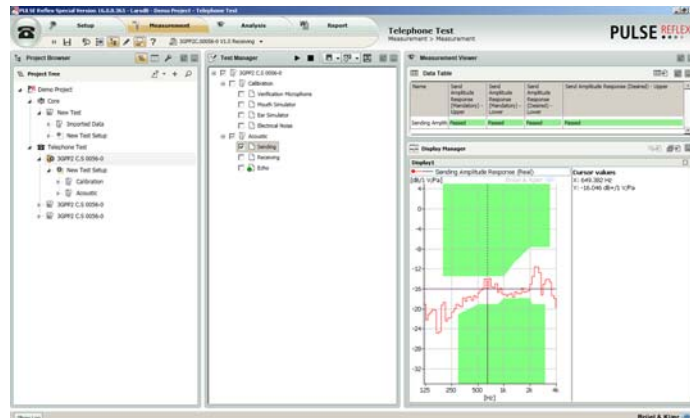
PULSE Reflex Telephone Test Test Suite for YD/T-1538 Types 8772-X06 and 8772-X08

Uses

- Voice testing of digital mobile phones according to YD/T-1538
- Measurement of the full transmit and receive signal path using a network simulator
- Research and development of mobile phones with focus on voice testing using advanced test signals and real speech
- Quality assurance and sample testing of mobile phones
- Inspection and validation of mobile phones

Features

- Pre-programmed test suites according to YD/T-1538 of 2011 for handsets or hands-free
- Minimum interaction required when running complete test suites, or individual test cases
- Supports the use of Type 1, Type 3.2 and Type 3.3 (HATS) ear simulators for testing of handsets
- Supports binaural as well as monaural testing of hands-free using Type 3.3 (HATS) ear simulators
- Supports testing of hands-free using free-field microphone



Introduction

Types 8772-X06* and 8772-X08* provide a standardized approach to voice testing of digital mobile phones according to YD/T-1538 – addressing testing of GSM (GPRS), WCDMA, TD-SCDMA and CDMA 2000 terminals. Type 8772-X06 is for testing handsets and Type 8772-X08 is for testing hands-free.

By using real speech, the codec can be included in the measurement path. Accordingly, the full transmit and receive signal paths are measured, giving realistic measurements of phone performance.

Types 8772-X06 and 8772-X08 utilize PULSE Reflex™ Telephone Test Software Type 8770 and Voice Testing System for Telephones Type 6712 for testing digital mobile phones according to YD/T-1538.

For information on software licenses, please see the ordering information. For information on hardware configurations, please see the Product Data for PULSE Reflex Telephone Test Software Type 8770 (BP 2428).

* X = license model either N for node-locked or F for floating

Test Cases Supported

Table 1 shows which test cases are supported by Types 8772-X06 and 8772-X08 with respect to the YD/T-1538 (September 30, 2011) standard. The numbers in the table refer to the sections in the standard. 'N/M' (non-mandatory) means

that although the test case is not required by the standard, it is still supported in the software. A dash (–) means that the test case is not required by the standard nor is it supported in the software.

Table 1 Test cases supported with references to sections in standard

Test Case Title	Narrow-band Handset		Narrow-band Hands-free	
	Test Reference	Req. Reference	Test Reference	Req. Reference
Sending Frequency Response	5.2.1	4.1.1	5.2.3/5.2.4	4.1.2
Send Loudness Rating (SLR)	5.4.1	4.3.1	5.4.3/5.4.5	4.3.3/4.3.4
Sending Delay	N/M	N/M	N/M	N/M
Sending Distortion	5.9	4.8	5.9	4.8
Sending Noise	5.6.1	4.5.1	–	–
Receiving Frequency Response	5.3.1	4.2.1	5.3.3/5.3.4	4.2.2/4.2.3
Receive Loudness Rating (RLR)	5.5	4.4.1	5.5	4.4.3/4.4.4
Receiving Delay	N/M	N/M	N/M	N/M
Receiving Distortion	5.10	4.9	5.10	4.9
Receiving Noise	5.6.2	4.5.2	–	–
Sidetone Frequency Response	5.7.1	4.6.1	–	–
STMR	5.7.1	4.6.1	–	–
TCLw	5.8.1	4.7.1	5.8	4.7.2/4.7.3

Ordering Information

Type 8772-X06^{*†} PULSE Reflex Telephone Test for YD/T-1538 Handset

Type 8772-X08^{*†} PULSE Reflex Telephone Test for YD/T-1538 Hands-free

PULSE REFLEX TELEPHONE TEST

Type 8770-X^{*} PULSE Reflex Telephone Test

Type 8770-A-XS^{*} PULSE Reflex Telephone Test Pack (see BP 2428 for details)

OPTIONAL SOFTWARE PACKAGES FOR PULSE REFLEX TELEPHONE TEST

Type 8771-X01^{*†} PULSE Reflex Telephone Test, ITU-T P.862 PESQ

Type 8771-X02^{*†} PULSE Reflex Telephone Test, ITU-T P.863 POLQA

* X = license model, either N for node-locked or F for floating

† Type 8770-X is required for this software package

REQUIRED STANDARD SYSTEM CONFIGURATIONS

In order to conduct testing on telephones, the hardware included in one of the following systems must be available[‡]:

- System for Testing using Test Head, Type 6712-A-S01
- System for Testing using HATS, Type 6712-A-S02

An appropriate network simulator must also be available

SOFTWARE MAINTENANCE AND SUPPORT AGREEMENTS

Software Maintenance and Support Agreements for PULSE Reflex Telephone Test are available. Order numbers are as follows:

M1-8770-X^{*}

M1-8771-X01^{*} : ITU-T P.862 PESQ

M1-8771-X02^{*} : ITU-T P.863 POLQA

M1-8772-X06^{*} : YD/T-1358 Handset

M1-8772-X08^{*} : YD/T-1358 Hands-free

‡ For details see the Product Data for Type 6712 (BP 1683).

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